Fig.5A

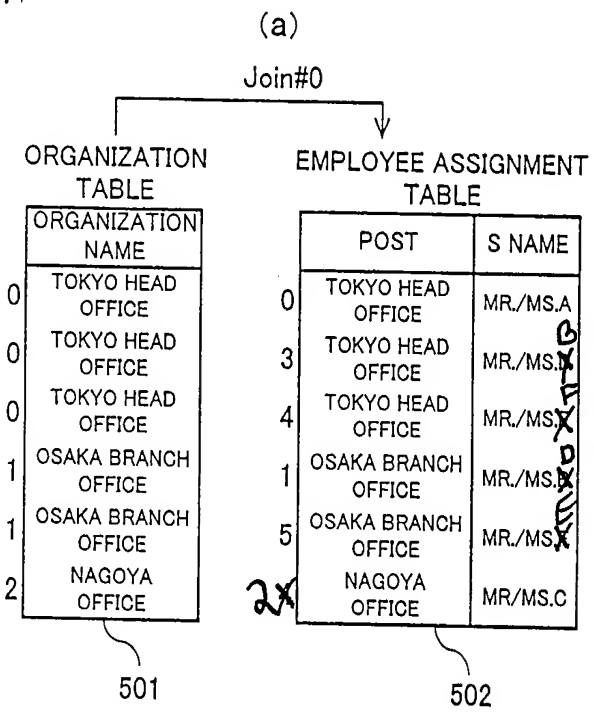


FIG.5B

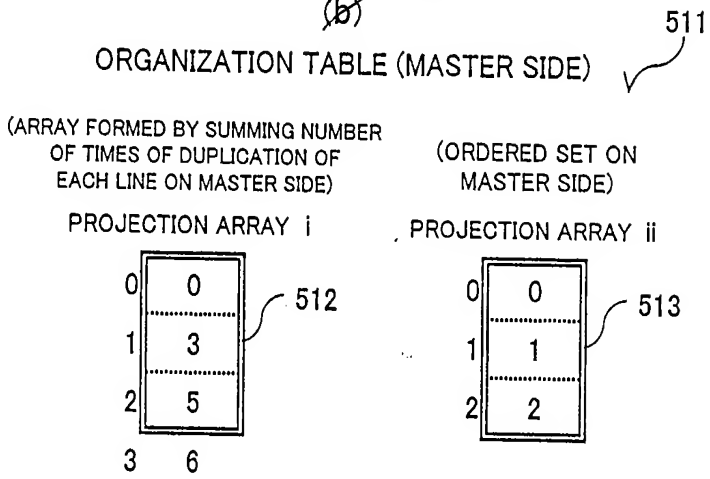
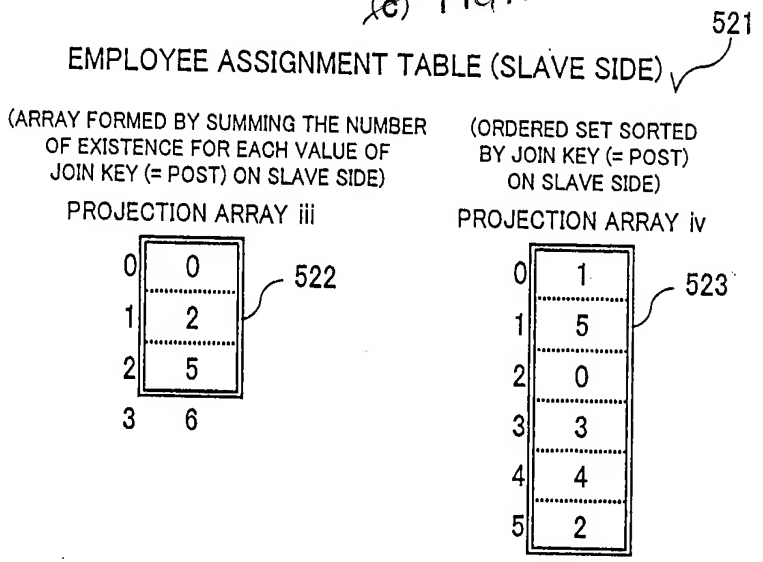


FIG.5C



Amdtd Sheet

Fig.6A

(a)

Join#1

EMPLOYEE ASSIGNMENT TABLE

	POST	S NAME
0	TOKYO HEAD OFFICE	MR./MSA
0	TOKYO HEAD OFFICE	MR./MSA
1	OSAKA BRANCH OFFICE	MR./MS.D
1	OSAKA BRANCH OFFICE	MR./MS.D
2	NAGOYA OFFICE	MR./MS.C
3	TOKYO HEAD OFFICE	MR./MS.B
3	TOKYO HEAD OFFICE	MR./MS.B
4	TOKYO HEAD OFFICE	MR./MS.F
5	OSAKA BRANCH OFFICE	MR./MS.E

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EMPLOYEE CAREER TABLE

	R NAME	PROJECT
0	MR./MS.A	Prj-1
7	MR./MS.A	Prj-4
1	MR./MS.D	Prj-1
6	MR./MS.D	Prj-3
4	MR./MS.C	Prj-2
3	MR./MS.B	Prj-2
8	MR./MS.B	Prj-4
5	MR./MS.F	Prj-3
2	MR./MS.E	Prj-1

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FIG.6B

611

EMPLOYEE ASSIGNMENT TABLE (MASTER SIDE)

(ARRAY FORMED BY SUMMING NUMBER OF TIMES OF DUPLICATION OF EACH LINE ON MASTER SIDE)

PROJECTION ARRAY i

0	0
1	2
2	4
3	5
4	7
5	8
6	9

612

(ORDERED SET ON MASTER SIDE)

PROJECTION ARRAY ii

0	0
1	1
2	2
3	3
4	4
5	5

613

FIG.6C

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EMPLOYEE CAREER TABLE (SLAVE SIDE)

(ARRAY FORMED BY SUMMING THE NUMBER OF EXISTENCE FOR EACH VALUE OF JOIN KEY (= R NAME) ON SLAVE SIDE)

PROJECTION ARRAY iii

0	0
1	2
2	4
3	5
4	7
5	8
6	9

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(ORDERED SET SORTED BY JOIN KEY (= R NAME) ON SLAVE SIDE)

PROJECTION ARRAY iv

0	0
1	7
2	3
3	8
4	4
5	1
6	6
7	2
8	5

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Amended Sheet